



Murtadha Ali Nsaif Shukur

مرتضى علي نصيف جاسم شكر

Assistant Professor

PROFILE

Murtadha Ali Nsaif Shukur is a Assistant Lecturer at Al-Furat Al-Awsat Technical University / Najaf Technical Institute and telecommunications engineering researcher specializing in wireless communications. Born in Iraq in 1986, he built his academic foundation through systematic educational advancement.

He holds a Diploma in Electrical Techniques from Al-Furat Al-Awsat Technical University (2006), a Bachelor's degree in Communication Engineering from the Technical College of Najaf (2010), and a Master's degree in Electronics and Communication Engineering from Maharishi Markandeshwar University, India (2014). His research interests are wireless communication systems (4G, 5G, 6G), Reconfigurable Intelligent Surfaces (RIS), handover mechanisms, networking protocols, electronic circuits, and optical fiber technologies.

ACADEMIC TITLES

2023-07-04 Assistant Professor

ADMINISTRATIVE POSITIONS

2024-02-02 - Present Head of Training and Technical Support Unit

PUBLICATIONS (8 4)

- Lightweight GRU-Based Predictive Handover Framework for 6G Networks Using Edge Intelligence**
2026 IEEE 18th International Conference on Advanced Trends in ...; 2026 | 2026
- mmWave MIMO-OFDM in 5G and beyond: Challenges, breakthroughs, and future directions**
Integrated Technologies in Electrical, Electronics and Biotechnology ...; 2026 | 2026
- Handover management in ultra-dense 6G networks: A comprehensive review of challenges, emerging solutions, and future directions**
Al-Qadisiyah Journal for Engineering Sciences 19 (1), 135-152, 2026 | 2026
- Machine Learning-Driven Multi-Connectivity and Mobility Management Framework for Optimizing Handover Performance in 6G Heterogeneous Networks**
International Journal on Electrical Engineering and Informatics 18 (1), 43-63, 2026 | 2026
- Intelligent Dynamic Switching Between IRS and Decode-and-Forward Relay: A Channel-Aware Optimization Approach for 6G Networks**
ITEGAM-JETIA 12 (58), 2026 | 2026
- Intelligent Dynamic Switching Between IRS and Decode-and-Forward Relay: A Channel-Aware Optimization Approach for 6G Networks**
ITEGAM-JETIA 12 (58), 1498-1516, 2026 | 2026
- RSA-DLT for Secure and Privacy-Preserving 6G Communications**
Available at SSRN 4924247, 2025 | 2025 | Cited: 1
- Joint Beamforming and Phase Shift Optimization in IRS-Aided NOMA Communications in 6G Networks**
JOURNAL OF RESEARCH TECHNOLOGY & ENGINEERING 6 (2), 1-19, 2025 | 2025
- Exploiting Intelligent Reflecting Surfaces for Interference Mitigation in Heterogeneous 6G**
[https://www.jrte.org/3\(5\),78-96,2024](https://www.jrte.org/3(5),78-96,2024) | 2024 | Cited: 2

CONTACT

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EDUCATION

ماجستير (09-07-2014)

Electronics and Communications Engineering
Maharishi Markandeshwar University

RESEARCH METRICS

h-index (Scopus)	1
h-index (GS)	3
Citations (Scopus)	1
Citations (GS)	63
Documents (Scopus)	5
Documents (GS)	15

RESEARCH INTERESTS

• handover management, intelligent reflecting surfaces (IRS), machine learning, the Internet of Things (IoT), computer networks, LiFi, network security, optical fiber communication, and technical communication in 4G, 5G, and 6G networks



10. **Analyzing the impact of nonlinear distortions on OFDM-Based visible light communication systems**
https://qjes.qu.edu.iq/article_1832239_f2ca26cabf2782f5510aad7e55491e0d.pdf 3 sp;..., 2024 | 2024 | Cited: 3
11. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
12. **Mobile Cell Selection In 4G Long Term Evolution-Advanced (LTE-A) Networks**
American Journal of Engineering Research (AJER) 3 (5), 139-150, 2014 | 2014
13. **A Review of The Mobile Cell Selection In 4G LTE f The Mobile Cell Selection In 4G LTE f The Mobile Cell Selection In 4G LTE-A Networks**
2014
14. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
15. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
16. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
17. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
18. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
19. **Implementing primary synchronization channel in mobile cell selection 4G LTE-A network**
Proc. Int. J. Sci. Res. Eng. Technol. (IJSRET) 3 (1), 19-26, 2014 | 2014 | Cited: 1
20. **SC-FDMA & OFDMA in LTE physical layer**
International Journal of Engineering Trends and Technology (IJETT) 12 (2), 74-85, 2014 | 2014 | Cited: 43
21. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
22. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
23. **Review of The LTE and LTE-A Security In Handover Technology**
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24. **Review of The LTE and LTE-A Security In Handover Technology**
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25. **Review of The LTE and LTE-A Security In Handover Technology**
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26. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
27. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
28. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
29. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
30. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
31. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
32. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
33. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014
34. **Review of The LTE and LTE-A Security In Handover Technology**
Emerging Trends in Applications of Electronics & Communication Technology sp;..., 2014 | 2014

